

I. IDENTIFICATION DATA

Thesis name:	Advantages and risks of LED luminaires for road lighting
Author's name:	Kataru Hitesh
Type of thesis :	master
Faculty/Institute:	Faculty of Electrical Engineering (FEE)
Department:	Dept. of Electrical Power Engineering
Thesis supervisor:	Ing. Marek Bálský, Ph.D.
Supervisor's department:	Dept. of Electrical Power Engineering

II. EVALUATION OF INDIVIDUAL CRITERIA

Assignment	ordinarily challenging
<i>Evaluation of thesis difficulty of assignment.</i>	
Diploma thesis deals with the problematics of advantages and risks of LED luminaires for road lighting. The theme of the thesis is interesting and challenging because this problematics is relatively new.	

Satisfaction of assignment	fulfilled with minor objections
<i>Assess that handed thesis meets assignment. Present points of assignment that fell short or were extended. Try to assess importance, impact or cause of each shortcoming.</i>	
Student fulfilled the assignment from the view of conclusions. However, some reasons for conclusions are not fully described.	

Activity and independence when creating final thesis	B - very good.
<i>Assess that student had positive approach, time limits were met, conception was regularly consulted and was well prepared for consultations. Assess student's ability to work independently.</i>	
Student had positive approach, worked independently and consulted regularly.	

Technical level	D - satisfactory.
<i>Assess level of thesis specialty, use of knowledge gained by study and by expert literature, use of sources and data gained by experience.</i>	
The thesis summarizes well-known knowledge about light sources for road lighting. Despite several consultations, the reasons for some conclusions (like reasons for LED effect on blue light hazard) are not explained in detail. The individual parts of the thesis are solved separately without mentioning their connections.	

Formal and language level, scope of thesis	B - very good.
<i>Assess correctness of usage of formal notation. Assess typographical and language arrangement of thesis.</i>	
The thesis is logically structured into six chapters. Formal level of thesis is good. There are some minor typographical and grammar mistakes but without overall impact to the thesis.	

Selection of sources, citation correctness	D - satisfactory.
<i>Present your opinion to student's activity when obtaining and using study materials for thesis creation. Characterize selection of sources. Assess that student used all relevant sources. Verify that all used elements are correctly distinguished from own results and thoughts. Assess that citation ethics has not been breached and that all bibliographic citations are complete and in accordance with citation convention and standards.</i>	
Many useful study materials were used, but omission of some literature from the assignment (EN 62471) caused the above-mentioned missing links between the reasons and the conclusions.	

Additional commentary and evaluation
<i>Present your opinion to achieved primary goals of thesis, e.g. level of theoretical results, level and functionality of technical or software conception, publication performance, experimental dexterity etc.</i>

Most of the goals of the thesis were met. Student demonstrated the ability for practical implementation of the proposed theoretical procedures.

III. OVERALL EVALUATION, QUESTIONS FOR DEFENSE, CLASSIFICATION SUGGESTION

Summarize thesis aspects that swayed your final evaluation.

Proposed thesis is of good quality and all mentioned drawbacks have only small impact on thesis conclusions.

I evaluate handed thesis with classification grade **C - good**.

Date: **5.6.2017**

Signature: